



National Environmental
Management and
Engineering Services

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) SCREENING REPORT

HOLMBERG ORCHARD/CT11841B
12 ORCHARD DRIVE
LEDYARD, CT

EBI Project #61052378

January 12, 2006

Prepared for:

OMNIPOINT COMMUNICATIONS, INC.
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January 12, 2006

Ms. Charmaine Simpson
Omnipoint Communications, Inc.
100 Filley Street
Bloomfield, CT 06002

Subject: National Environmental Policy Act (NEPA) Screening Report
Holmberg Orchard/CT11841B
12 Orchard Drive, Ledyard, CT
EBI Project #61052378

Dear Ms. Charmaine Simpson:

Attached please find our *National Environmental Policy Act (NEPA) Screening Report*, (the *Report*) for the proposed telecommunications installation at the address noted above (the Subject Property). The purpose of this *Report* is to evaluate the above-referenced property for environmental and historical concerns specified by the Federal Communications Commission (FCC) in 47 CFR 1.1307, the 2005 T-Mobile Regulatory Compliance Manual and general industry standards.

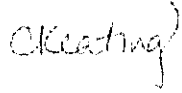
As of the date of this *Report*, Omnipoint Communications, Inc. proposes to construct a 150-foot tall monopole style telecommunications tower, designed to support a total of three sets of carrier antennas at the property referenced above. T-Mobile proposes to mount nine panel antennas to the top of the monopole. The monopole and associated telecommunications equipment will be contained within a 50-foot by 50-foot fenced compound. A meter bank and parking area will be located adjacent to the northwest side of the proposed compound. The existing dirt access way will be graded and surfaced with compacted gravel and underground utilities will be routed to the site from an existing telephone pole on the subject property.

Please find the attached National Environmental Policy Act (NEPA) Checklist, NEPA Summary Report, and associated documentation for the above referenced site. Based upon the results of our assessment, it appears that the proposed installation will not adversely impact any of the criteria as outlined in 1.1307(a) items (1) through (8) and preparation of an Environmental Assessment (EA) is not required.

The *Report* was completed according to the terms and conditions authorized by you. There are no intended or unintended third party beneficiaries to this *Report*, unless specifically named. EBI is an independent contractor, not an employee of either the property owner or the project proponent, and its compensation was not based on the findings or recommendations made in the *Report* or on the closing of any business transaction.

Thank you for the opportunity to prepare this *Report*, and assist you with this project. Please call us if you have any questions or if we may be of further assistance.


Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "C. Keating".

Ms. Christine Keating
Reviewer/Program Manager
Direct# (401) 300-1550

Appendix A – NEPA Checklist
Appendix B – FCC NEPA Summary Report
Appendix C – Figures, Drawings, and Maps
Appendix D – NPA Checklist and SHPO Correspondence
Appendix E – Tribal Correspondence
Appendix F – Land Resources Map
Appendix G – United States Fish and Wildlife Correspondence
Appendix H – National Wetlands Inventory (NWI) Map and Tree Inventory Report

APPENDIX A
NEPA CHECKLIST

	Site type (<i>choose one</i>): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: Holmberg Orchard/CT11841B	Site Address: 12 Orchard Drive, Ledyard, CT
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NEPA Land Use Screening Checklist

FCC NEPA Category	Consulting Agency to Contact	Check appropriate boxes below			
		No Adverse Impact	Potential Adverse Impact	Exempt from Review	NPA Applies
Designated Wilderness Areas	National Park Service, US Forest Service, Bureau of Land Management (BLM)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Designated Wildlife Preserves	National Park Service, US Forest Service, BLM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Threatened or Endangered Species & Critical Habitats	US Fish & Wildlife Service - Field Office (USF&WS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic Places	State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indian Religious Sites	American Indian Tribes, Bureau of Indian Affairs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floodplain	Federal Emergency Management Agency (FEMA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wetlands & Surface Waterways	USF&WS NWI Maps US Army Corps of Engineers (ACOE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Signature: CKeating Company: EBI Consulting
 Print name: Christine Keating Date: 1-12-06

APPENDIX B
FCC NEPA SUMMARY REPORT

**FCC NEPA Summary Report
(47 CFR Subpart I, Chapter I, Sections I.1301-I.1319)**

	Site type (<i>choose one</i>):	Site ID:	Site Address:
	<input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Holmberg Orchard/CT11841B	12 Orchard Drive, Ledyard, CT

1. Is the antenna structure located in an officially designated wilderness area?

According to a review of the Land Resources Map (Appendix F) and the Department of Agriculture's list of wilderness areas (<http://www.wilderness.net/index.cfm?fuse=NWPS>), the Project Site is not located in an officially designated wilderness area. In addition, according to EBI's review of available on-line resources, the Project Site is not located in a National Park (www.nps.gov/gis, NPS Interactive Map Center), a designated Scenic and Wild River (www.nps.gov/rivers/wildriverslist.html), a land area managed by the Bureau of Land Management (www.blm.gov/nhp/facts/index.htm), or within 1/4 mile of a National Scenic Trail as identified by the National Park Service (http://www.nps.gov/ncrc/programs/nts/nts_trails.html).

2. Is the antenna structure located in an officially designated wildlife preserve?

According to a review of the Land Resources Map (Appendix F), the Project Site is not located in an officially designated wildlife preserve. In addition, according to EBI's review of available on-line resources, the Project Site is not located in a US Fish and Wildlife Service National Wildlife Refuge (http://refuges.fws.gov/pdfs/refugeMap0930_2004.pdf).

3. Will the antenna structure likely affect threatened or endangered species or designated critical habitats? (Ref. 50 CFR Part 402)

According to a review of the Land Resources Map (Appendix F), no identified threatened or endangered species habitats or designated critical habitats are located in the vicinity of the Project Site.

Based on a review of the state list of threatened and endangered species, the habitat at the Project Site does not match the habitats of listed threatened and endangered species. In addition, a copy of the no affect determination dated date by the United States Fish and Wildlife Service or state equivalent is appended to this *Report* (Appendix F).

Additionally based upon the proposed design (monopole) and height (under 250 feet AGL) it is unlikely that the proposed telecommunications installation would adversely impact migratory bird species protected under the Migratory Bird Treaty Act and the Endangered Species Act. Therefore, EBI concludes that the proposed project is unlikely to affect threatened or endangered species.

4. Will the antenna structure affect districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP)? (Ref. 36 CFR Part 800 regulations implementing Section 106 of the National Historic Preservation Act).

Consultation with the Connecticut State Historic Preservation Officer (CT SHPO) was initiated by a previous consultant in 2005. The CT SHPO indicated that the project would not impact historic resources, but requested that a Phase I archaeological survey and consultation with the Mashantucket-Pequot Indian Tribe be performed due to the archaeological sensitivity of the project area.

On November 27, 2005 Heritage Consultants of Newington, CT performed the field work associated with the survey. As a result of the background research and survey, Heritage Consultants concluded that the proposed project would not impact any potentially significant or significant cultural resources. A copy

of the archaeology survey was submitted to the CT SHPO and in a letter dated December 12, 2005, the CT SHPO concurred with the conclusions outlined in the Phase I survey and indicated that the proposed project will have no effect on Connecticut's Archaeological Heritage

5. Will the antenna structure affect Indian religious site(s)

According to Mr. David Poirier of the CT SHPO office, the Mashantucket-Pequot Indian Tribe was identified as a party who would be interested in consulting on the proposed project. Heritage Consultants submitted a copy of the Phase I archaeological survey to Ms. Kathleen Knowles, THPO for the Mashantucket-Pequot Indian Tribe. In a letter dated December 12, 2005, Ms. Knowles indicated that she agrees with the findings outlined in the Phase I archaeological survey. Ms. Knowles did indicate that she wishes to be informed of any further developments with this project.

6. Will the antenna structure be located in a floodplain? (Ref. Executive Order 11988 and 40 CFR Part 6, Appendix A)

According to the FEMA Flood Insurance Rate Map data for (Community Map #, Panel #) included on the Land Resources Map (Appendix F), the Project Site is not located within a 100-year or 500-year floodplain.

7. Will construction of the antenna structure involve significant change in surface features (e.g. wetlands, deforestation, or water diversion)? (Ref. Executive Order 11990 and 40 CFR Part 6, Appendix A)

It is EBI's opinion that no documented or potential wetlands are located at or within a 100-foot radius of the proposed tower based upon the following facts:

- Limited or no hydric vegetation was observed at the tower site. Additionally, no surface water was observed at the proposed tower site aside from a small stream over 100-feet southeast of the project site.
- A review of a United States Fish and Wildlife Service (USFWS) National Wetland Inventory Map created on the USFWS website, no mapped wetland areas were identified in the project vicinity. A copy of this map is included in Appendix H.

The area proposed to be occupied by Omnipoint Communications, Inc. consists of a moderately wooded area; however, the proposed construction plans do not call for the significant removal of mature trees; therefore, the proposed installation will not result in deforestation. Please refer to the attached Tree Inventory prepared by Clough Harbour and Associates. Based on review of the proposed construction plans and onsite observations, surface water body diversion will not occur.

8. Is the antenna structure located in a residential neighborhood and required to be equipped with high intensity white lights?

According to client representatives and site plans, the proposed installation will not include high intensity white lights and be located in a residential neighborhood.

9a. Will the antenna structure equal or exceed total power (of all channels) of 2000 Watts ERP (3280 EIRP) and have antenna located less than 10 meters above the ground?

9b. Will the rooftop antenna project equal or exceed total power (of all channels) of 2000 Watts ERP (3280 EIRP)?

Omnipoint Communications, Inc. installs Broadband PCS services. Accordingly, Omnipoint must prepare an environmental assessment if the facility emits power density in excess of the FCC's prescribed Maximum Permissible Exposure Limits. However, proponents need not evaluate the power density emitted from the antennas if the following applies: (1) the antennas are mounted to a non-building structure, (2) the height from the ground to the lowest point on the antenna is less than 10 meters, and (3) the total power of all channels is less than 2000 Watts of effective radiated power (ERP) (47 CFR 1.1307 (b) (1)).

T-Mobile does not need to evaluate the power density emitted from its antennas based on its calculation that the proposed antenna arrays will not equal or exceed 2,000 Watts ERP and the antennas are located more than 10 meters above the ground surface.

APPENDIX C
FIGURES, DRAWINGS, AND MAPS

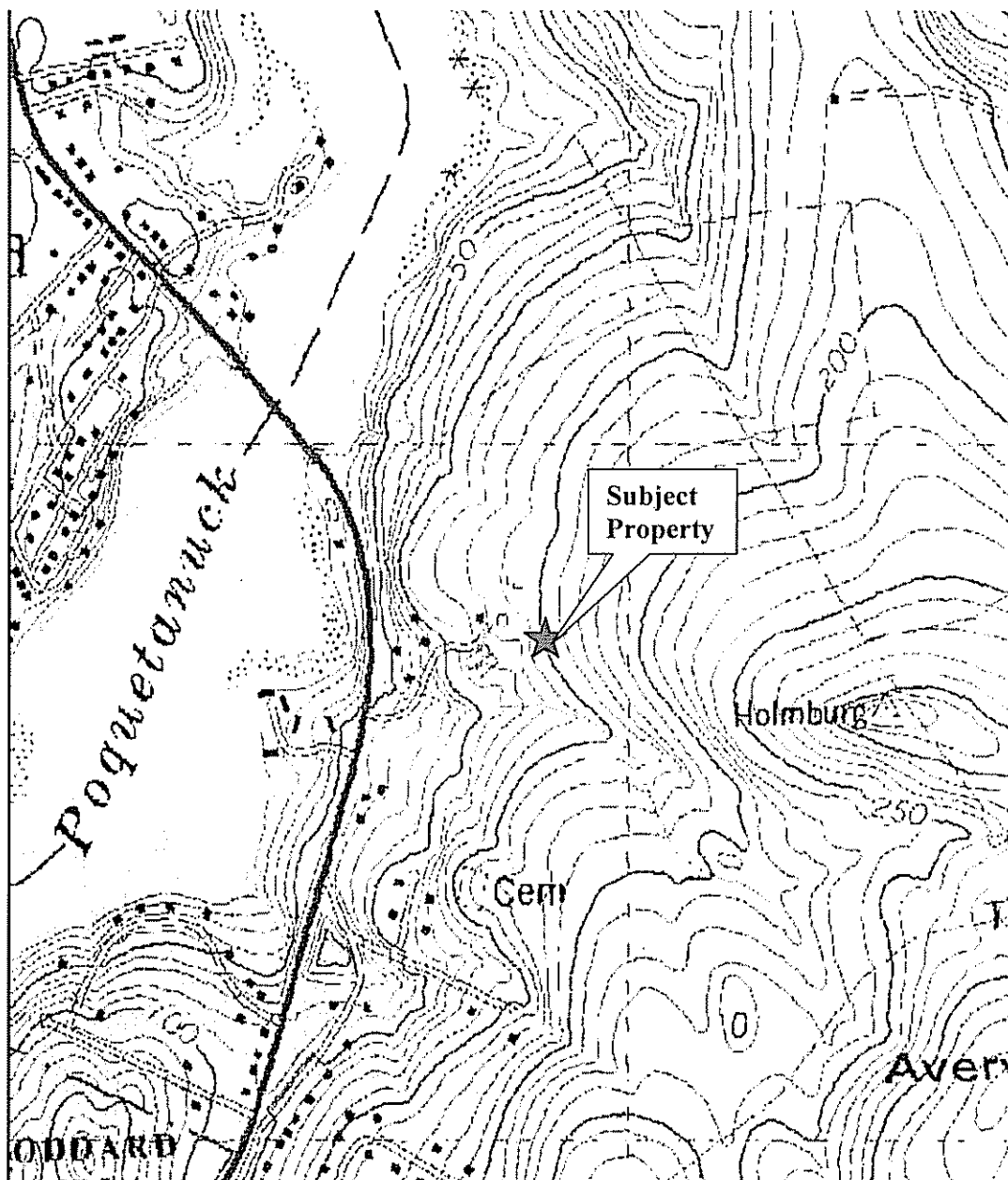


Figure 1: Locus Map

A portion of the
USGS 7.5x15 Minute Uncas Quadrangle Scale 1:24,000

CT11841B
Holmburg Orchard
12 Orchard Drive, Ledyard, CT



SITE TYPE: RAW-LAND

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DO NOT SCALE DRAWINGS

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APPENDIX D
NPA CHECKLIST AND SHPO CORRESPONDENCE

**APPLICABILITY OF NATIONWIDE PROGRAMMATIC AGREEMENT FOR REVIEW OF EFFECTS ON
HISTORIC PROPERTIES (NPA)**

	Site type (<i>choose one</i>): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: Holmberg Orchard/CT11841B	Site Address: 12 Orchard Drive, Ledyard, CT
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- ☐ **Enhancement of a Tower (Exclusion A)**
 Yes ☐ No ☐ Will the proposed action consist of a collocation as defined by the NPA?
 Yes ☐ No ☐ Will the proposed action create a "substantial increase" in the size of the tower?
- ☐ **Construction of a Replacement Tower (Exclusion B)**
 Yes ☐ No ☐ Can the proposed replacement tower be considered a "substantial increase" in height, mass, or size in relation to the existing tower located at the site?
 Yes ☐ No ☐ Could the proposed replacement tower increase the boundaries of the owned or leased area surrounding the existing tower by more than thirty feet?
 Yes ☐ No ☐ Will construction of the proposed replacement tower involve excavation outside of a thirty-foot radius from the edge of owned or leased area or outside existing access or utility easements?
 Yes ☐ No ☐ If the existing tower was constructed after March 16, 2001, has the tower NOT undergone Section 106 review?
- ☐ **Construction of temporary communications tower or facility (Exclusion C)**
 Yes ☐ No ☐ Will the temporary installation involve excavation of soils?
 Yes ☐ No ☐ Will the temporary installation be in operation for more than twenty-four months?
- ☐ **Construction of Tower within strip mall, shopping center, or industrial park (Exclusion D)***
 Yes ☐ No ☐ Will the proposed tower be over 200 feet in height?
 Yes ☐ No ☐ Will the proposed tower be located in a locally designated industrial park, strip mall, or shopping center that occupies less than 100,000 square feet?
 Yes ☐ No ☐ Is the locally designated industrial park, strip mall, or shopping center located within the boundaries of or within five hundred feet of a historic property?
- ☐ **Construction of a Tower at or near utility transmission corridors (Exclusion E)***
 Yes ☐ No ☐ Will the proposed tower be located outside of or beyond fifty feet of a right-of-way designated by Federal, State, local, or Tribal governments as a location for communications towers or utility transmission and distribution lines?
 Yes ☐ No ☐ Could the proposed tower be considered a "substantial increase" in height, mass, or site in relation to existing towers or utility transmission and distribution lines located at the site?
 Yes ☐ No ☐ Will the proposed tower be located within the boundaries of a historic property?
- ☐ **Construction of a Tower in a SHPO/THPO permitted zone (Exclusion F)**
 Yes ☐ No ☐ Will the construction of the tower occur outside of an area designated by the SHPO and/or THPO for the construction of communications towers and associated facilities?
- ☐ **Collocation of antennas on tower constructed on or before March 16, 2001 (Stipulation IIIA)**
 Yes ☐ No ☐ Will the collocation result in a substantial increase in the size of the tower?
 Yes ☐ No ☐ Has the FCC determined that the tower has, or potentially has, an "adverse effect" on historic properties?

Yes ☐ No ☐ Is the tower pending environmental review before the FCC involving compliance w/Sec 106?

Yes ☐ No ☐ Has the licensee or tower owner received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?

☐ Collocation of antennas on tower constructed after March 16, 2001 (Stipulation IVA)

Yes ☐ No ☐ Has the tower NOT undergone Section 106 review?

Yes ☐ No ☐ Will the collocation result in a substantial increase in the size of the tower?

Yes ☐ No ☐ Has the FCC determined that the tower has or will have, or potentially has or will have, an "adverse effect" on historic properties?

Yes ☐ No ☐ Has the licensee or tower owner received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?

☐ Collocation of antennas on buildings/non-tower structures (Stipulation VA)

Yes ☐ No ☐ Is the building/structure is over 45 years old?

Yes ☐ No ☐ Is the building/structure located within a historic district, located within 250 feet of a historic district, or will the antennas be visible from the ground level of a historic district?

Yes ☐ No ☐ Is the building/structure a National Historic Landmark, or listed or eligible for listing on the National Register of Historic Places?

Yes ☐ No ☐ Has the licensee received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?

☒ If any questions were answered "Yes" or if no exclusions apply: The proposed telecommunications installation does not meet the criteria and stipulations set forth in the NPA. Therefore, consultation with the applicable SHPO is required in accordance with 47 CFR Part 1.1301-1.1319 of the Federal Communications Commission regulations. In addition, consultation with any Indian Tribe or NHO that attaches significance to the site or area must be completed.

☐ If all questions were answered "No": The telecommunications installation meets the criteria and stipulations set forth in the NPA. Therefore the telecommunications installation is recognized to have minimal or no adverse effect on historic properties, and review of the project by the applicable SHPO is not required.

*However, for projects meeting Exclusions D or E, consultation with any Indian Tribe or NHO that attaches significance to the site or area must be completed.